

TABLE 9-26

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and tenure status: 2017

(Number)

Occupation, sex, race, and ethnicity	Total	Tenured	Not tenured		Tenure not applicable
			On tenure track	Not on tenure track	
All occupations	319,400	142,350	48,950	45,700	82,350
Female	120,650	44,450	19,650	20,500	36,050
White	84,950	34,000	13,050	14,700	23,200
Asian	20,850	5,450	3,650	3,450	8,300
Black or African American	6,000	2,400	1,100	850	1,650
Hispanic or Latino <sup>a</sup>	6,450	2,000	1,300	1,050	2,150
American Indian or Alaska Native	250	100	50	50	50
Native Hawaiian or Other Pacific Islander	150	50	*	*	50
More than one race <sup>b</sup>	1,950	500	450	400	600
Male	198,750	97,900	29,350	25,200	46,300
White	140,850	73,650	18,600	18,300	30,300
Asian	39,300	15,550	7,600	4,400	11,750
Black or African American	6,550	3,250	1,000	900	1,450
Hispanic or Latino <sup>a</sup>	9,000	4,050	1,700	1,150	2,100
American Indian or Alaska Native	350	200	D	S	100
Native Hawaiian or Other Pacific Islander	200	50	D	50	S
More than one race <sup>b</sup>	2,500	1,150	400	350	550
S&E occupations <sup>c</sup>	245,250	112,000	40,300	32,300	60,650
Female	84,750	31,550	14,850	13,650	24,700
White	58,250	23,900	10,150	9,350	14,800
Asian	16,050	4,050	2,650	2,700	6,650
Black or African American	3,800	1,600	700	500	1,000
Hispanic or Latino <sup>a</sup>	4,850	1,500	950	750	1,650
American Indian or Alaska Native	200	50	50	*	50
Native Hawaiian or Other Pacific Islander	100	D	*	D	D
More than one race <sup>b</sup>	1,550	400	350	300	500
Male	160,500	80,450	25,450	18,650	35,950
White	113,050	60,500	16,150	13,400	23,050
Asian	33,200	13,150	6,850	3,250	9,950
Black or African American	4,850	2,450	800	700	900
Hispanic or Latino <sup>a</sup>	7,150	3,250	1,400	1,000	1,500
American Indian or Alaska Native	200	150	D	D	S
Native Hawaiian or Other Pacific Islander	150	50	D	D	D
More than one race <sup>b</sup>	1,900	900	300	250	450
Scientist	214,200	95,650	34,350	29,450	54,750
Female	79,350	29,200	13,650	13,050	23,500
White	55,000	22,400	9,450	8,950	14,150
Asian	14,450	3,400	2,300	2,550	6,200
Black or African American	3,600	1,500	650	450	1,000
Hispanic or Latino <sup>a</sup>	4,600	1,400	900	700	1,600
American Indian or Alaska Native	200	50	50	*	50
Native Hawaiian or Other Pacific Islander	100	D	*	D	D
More than one race <sup>b</sup>	1,450	350	300	300	450
Male	134,800	66,450	20,700	16,400	31,250
White	98,100	51,750	13,700	12,050	20,600
Asian	24,600	9,050	4,950	2,600	8,050
Black or African American	4,150	2,100	600	650	800
Hispanic or Latino <sup>a</sup>	5,900	2,600	1,150	850	1,300

TABLE 9-26

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and tenure status: 2017

(Number)

Occupation, sex, race, and ethnicity	Total	Tenured	Not tenured		Tenure not applicable
			On tenure track	Not on tenure track	
American Indian or Alaska Native	150	100	D	D	S
Native Hawaiian or Other Pacific Islander	150	50	D	D	D
More than one race <sup>b</sup>	1,750	800	250	250	450
Biological/life scientist	73,600	24,150	10,300	11,850	27,300
Female	28,850	6,850	3,850	5,650	12,450
White	19,100	5,550	2,650	3,700	7,200
Asian	6,700	700	700	1,450	3,850
Black or African American	950	150	200	150	450
Hispanic or Latino <sup>a</sup>	1,550	300	250	300	700
American Indian or Alaska Native	50	D	D	D	D
Native Hawaiian or Other Pacific Islander	S	D	D	D	D
More than one race <sup>b</sup>	450	100	50	50	200
Male	44,750	17,300	6,450	6,200	14,850
White	31,950	14,400	4,200	4,150	9,200
Asian	9,550	1,950	1,650	1,500	4,450
Black or African American	1,000	350	100	250	350
Hispanic or Latino <sup>a</sup>	1,600	400	400	250	550
American Indian or Alaska Native	50	50	D	D	D
Native Hawaiian or Other Pacific Islander	50	D	D	D	D
More than one race <sup>b</sup>	500	150	50	D	250
Computer and information scientist	11,200	5,050	1,850	1,400	2,900
Female	2,100	800	400	250	650
White	1,050	400	150	150	300
Asian	800	300	200	D	250
Black or African American	150	50	D	D	D
Hispanic or Latino <sup>a</sup>	100	D	D	D	D
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race <sup>b</sup>	*	D	D	D	D
Male	9,100	4,250	1,450	1,150	2,250
White	5,400	2,450	800	850	1,300
Asian	3,200	1,550	550	200	850
Black or African American	150	100	50	D	S
Hispanic or Latino <sup>a</sup>	250	150	S	50	50
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race <sup>b</sup>	50	*	D	D	D
Mathematical scientist	19,700	10,850	2,900	2,500	3,500
Female	5,350	2,400	850	900	1,200
White	3,300	1,600	600	450	600
Asian	1,550	600	150	350	450
Black or African American	200	100	D	50	S
Hispanic or Latino <sup>a</sup>	250	100	S	50	50
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race <sup>b</sup>	50	*	*	D	D
Male	14,400	8,400	2,050	1,600	2,300
White	10,250	6,150	1,200	1,300	1,600

TABLE 9-26

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and tenure status: 2017

(Number)

Occupation, sex, race, and ethnicity	Total	Tenured	Not tenured		Tenure not applicable
			On tenure track	Not on tenure track	
Asian	2,900	1,700	650	150	400
Black or African American	400	200	100	D	50
Hispanic or Latino <sup>a</sup>	750	300	100	100	250
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race <sup>b</sup>	100	D	D	D	D
Physical scientist	39,150	18,600	6,050	5,000	9,500
Female	9,750	4,000	1,900	1,500	2,350
White	6,900	3,200	1,400	900	1,350
Asian	1,950	450	300	450	750
Black or African American	250	100	50	*	50
Hispanic or Latino <sup>a</sup>	500	200	50	100	150
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race <sup>b</sup>	150	50	50	D	100
Male	29,400	14,600	4,150	3,500	7,100
White	21,700	11,350	3,050	2,650	4,650
Asian	5,350	2,050	700	550	2,000
Black or African American	650	350	100	100	100
Hispanic or Latino <sup>a</sup>	1,300	700	250	150	200
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race <sup>b</sup>	400	150	50	50	150
Psychologist	24,300	11,200	4,050	3,400	5,700
Female	13,500	5,350	2,400	2,150	3,650
White	10,000	4,150	1,600	1,700	2,550
Asian	1,350	450	350	S	450
Black or African American	950	400	200	100	250
Hispanic or Latino <sup>a</sup>	900	250	200	150	300
American Indian or Alaska Native	50	50	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race <sup>b</sup>	350	100	100	D	50
Male	10,800	5,850	1,700	1,250	2,050
White	9,050	5,100	1,250	1,000	1,700
Asian	750	250	250	*	200
Black or African American	350	150	50	S	D
Hispanic or Latino <sup>a</sup>	450	200	100	100	100
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race <sup>b</sup>	200	150	*	D	D
Social scientist	46,150	25,800	9,150	5,300	5,900
Female	19,800	9,750	4,250	2,600	3,200
White	14,700	7,500	3,050	2,000	2,200
Asian	2,150	900	600	200	400
Black or African American	1,150	650	150	150	150
Hispanic or Latino <sup>a</sup>	1,300	550	300	100	350
American Indian or Alaska Native	100	50	D	D	D
Native Hawaiian or Other Pacific Islander	*	D	D	D	D

TABLE 9-26

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and tenure status: 2017

(Number)

Occupation, sex, race, and ethnicity	Total	Tenured	Not tenured		Tenure not applicable
			On tenure track	Not on tenure track	
More than one race <sup>b</sup>	450	100	100	100	100
Male	26,400	16,100	4,900	2,700	2,700
White	19,750	12,300	3,200	2,100	2,150
Asian	2,900	1,550	1,100	150	100
Black or African American	1,600	1,000	150	200	250
Hispanic or Latino <sup>a</sup>	1,550	850	300	200	200
American Indian or Alaska Native	100	50	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race <sup>b</sup>	550	300	100	D	D
Engineer	31,100	16,350	6,000	2,850	5,900
Female	5,400	2,350	1,200	600	1,200
White	3,250	1,500	700	400	650
Asian	1,600	650	350	150	450
Black or African American	200	100	50	D	D
Hispanic or Latino <sup>a</sup>	250	100	50	50	50
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race <sup>b</sup>	100	D	D	*	D
Male	25,700	14,000	4,750	2,250	4,700
White	14,950	8,750	2,400	1,350	2,450
Asian	8,550	4,100	1,900	650	1,900
Black or African American	700	350	200	50	100
Hispanic or Latino <sup>a</sup>	1,250	650	200	200	200
American Indian or Alaska Native	50	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race <sup>b</sup>	150	S	D	D	*
S&E-related occupations <sup>d</sup>	33,050	10,100	5,450	7,100	10,450
Female	17,950	5,400	3,250	3,900	5,400
White	13,200	4,350	2,100	3,050	3,750
Asian	2,750	550	600	450	1,100
Black or African American	1,100	300	200	250	300
Hispanic or Latino <sup>a</sup>	650	100	200	150	200
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	S	D	D	D	D
More than one race <sup>b</sup>	150	S	100	D	50
Male	15,150	4,700	2,250	3,200	5,000
White	10,250	3,400	1,400	2,350	3,100
Asian	3,300	800	450	650	1,400
Black or African American	550	200	100	50	200
Hispanic or Latino <sup>a</sup>	700	200	200	50	250
American Indian or Alaska Native	100	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race <sup>b</sup>	200	D	50	S	50
Non-S&E occupations	41,100	20,250	3,200	6,350	11,300
Female	18,000	7,550	1,550	2,950	5,950
White	13,500	5,750	800	2,300	4,650
Asian	2,100	850	350	300	550
Black or African American	1,150	450	200	150	300

TABLE 9-26

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and tenure status: 2017

(Number)

Occupation, sex, race, and ethnicity	Total	Tenured	Not tenured		Tenure not applicable
			On tenure track	Not on tenure track	
Hispanic or Latino <sup>a</sup>	950	400	100	150	300
American Indian or Alaska Native	50	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race <sup>b</sup>	250	100	*	50	100
Male	23,100	12,700	1,650	3,400	5,350
White	17,550	9,750	1,050	2,550	4,150
Asian	2,800	1,600	300	500	400
Black or African American	1,100	550	100	150	300
Hispanic or Latino <sup>a</sup>	1,150	600	100	100	350
American Indian or Alaska Native	100	D	D	D	50
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race <sup>b</sup>	350	200	S	50	50

\* = value < 25. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

<sup>a</sup> Hispanic or Latino may be any race.

<sup>b</sup> Includes persons of more than one race who are not Hispanic or Latino.

<sup>c</sup> S&E occupations include S&E postsecondary teachers.

<sup>d</sup> S&E-related occupations include health occupations.

**Note(s)**

Numbers rounded to nearest 50. Detail may not add to total because of rounding and suppression. S&E occupations include S&E postsecondary teachers. S&E occupations include S&E postsecondary teachers. S&E-related occupations include health-related occupations (e.g. diagnosing practitioners, registered nurses, postsecondary teachers in health and related sciences), S&E managers, S&E precollege teachers, S&E technicians and technologists, and other S&E related occupations.

**Source(s)**

National Science Foundation, National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2017.